Elution Test Summary:
Homemade Turpentine Releaser
Dental Wick 250 ml bottle

Manufacturer/Supplier: Homemade

Product number: Nalgene® 250 ml HDPE bottle no. 312004-0008.

Description: Nalgene® bottle (250 ml) used with braided cotton dental wicking (6 in. long x 3/8 in. diameter) and 3/8 inch hole drilled through lid. Bottles were filled at the start of this evaluation with Hercules turpentine, providing a starting load of ca. 275 ml (~230 g).

(Right) Homemade turpentine releaser consisting of 250 ml bottle and dental wick. Scale depicts inches.

Our Evaluation:

Location: Pineville, LA

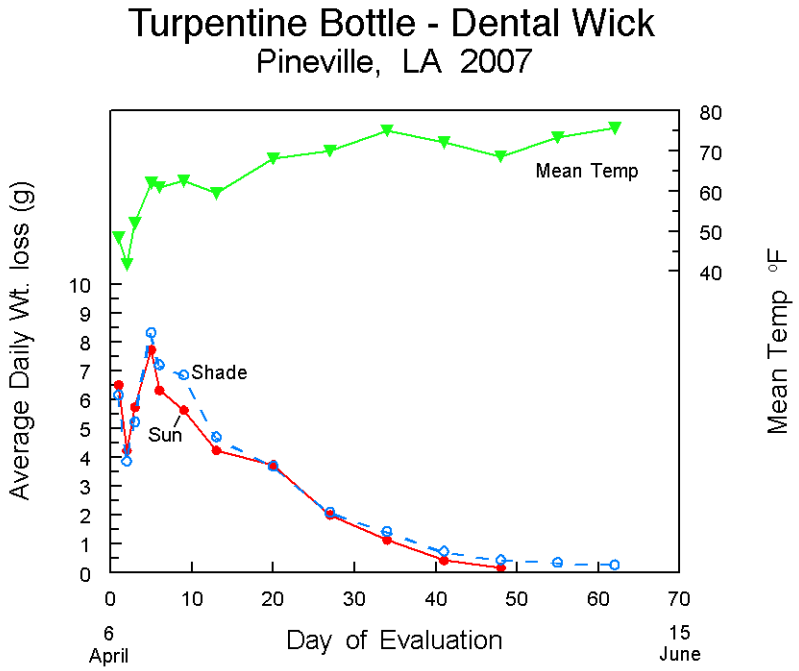
Dates: 6 April to 7 June 2007

Duration: 62 days

Temperature mean (° F):
60.0 (34 d)
63.6 (62 d)

Weight loss mean (g/d):
Sun
0 to 34 d = 4.72
0 to 48 d = 3.98
Shade
0 to 34 d = 4.94
0 to 62 d = 3.66

Comments: 5 devices each sun & shade. Dental wicks are better for avoiding water intrusion than pipe cleaner wicks, allowing full sun measurements.



Copies and data may be obtained at http://www.fs.fed.us/foresthealth/technology/elutionrate. For more information please contact: Brian Strom, USDA Forest Service, SRS-RWU-4552, Pineville, LA 71360 (brianstrom@fs.fed.us); Sheri Smith, USDA Forest Service, R-5 Forest Health Protection, Susanville, CA 96130 (ssmith@fs.fed.us); or Andy Trent, USDA Forest Service, Missoula Technology Development Center, Missoula, MT 59808 (atrent@fs.fed.us).